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L1: Entry 1 of 1

File: USPT

Oct 12, 1999

US-PAT-NO: 5965703

DOCUMENT-IDENTIFIER: US 5965703 A

TITLE: Human bad polypeptides, encoding nucleic acids and methods of use

DATE-ISSUED: October 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horne; William A.	Cary	NC		
Oltersdorf; Tilman	Cardiff	CA		

US-CL-CURRENT: 530/350; 530/300, 530/324

CLAIMS:

What is claimed is:

1. An isolated human Bad polypeptide, comprising the amino acid sequence shown in SEQ ID NO:2.
2. An isolated human Bad polypeptide encoded by a nucleic acid molecule comprising the nucleotide sequence shown in SEQ ID NO:1 or a nucleotide sequence that has greater than 85% nucleotide identity to the nucleotide sequence shown in SEQ ID NO:1 as calculated by the BLAST algorithm.
3. A human Bad peptide comprising a fragment of no greater than 95 contiguous amino acids of the 3' end of SEQ ID NO:2, wherein the fragment binds Bcl-X.sub.L or Bcl-2 and wherein the fragment contains at least one amino acid that differs when aligned with SEQ ID NO:3.